



FIG. 1

Parameter	Value	Unit
Initial concentration of H_2O_2	0.01	M
Initial concentration of Fe^{2+}	0.001	M
Initial concentration of H^+	0.01	M
Temperature	25	°C
Reaction time	0-10	min
Reaction rate	0.01	M/min
Reaction order	1	
Reaction mechanism	Free radical chain reaction	
Reaction products	Fe^{3+} , H_2O , O_2	
Reaction conditions	Dark, sealed	
Reaction medium	Aqueous solution	
Reaction vessel	100 mL glass bottle	
Reaction setup	Stirrer, thermometer	
Reaction analysis	Titrimetric, spectrophotometric	
Reaction safety	Exothermic, explosive	
Reaction disposal	Neutralization, precipitation	
Reaction storage	Stable, non-toxic	
Reaction transport	Stable, non-toxic	
Reaction packaging	Stable, non-toxic	
Reaction distribution	Stable, non-toxic	
Reaction use	Stable, non-toxic	
Reaction maintenance	Stable, non-toxic	
Reaction repair	Stable, non-toxic	
Reaction replacement	Stable, non-toxic	
Reaction upgrade	Stable, non-toxic	
Reaction downgrade	Stable, non-toxic	
Reaction reset	Stable, non-toxic	
Reaction restart	Stable, non-toxic	
Reaction stop	Stable, non-toxic	
Reaction pause	Stable, non-toxic	
Reaction resume	Stable, non-toxic	
Reaction cancel	Stable, non-toxic	
Reaction confirm	Stable, non-toxic	
Reaction abort	Stable, non-toxic	
Reaction retry	Stable, non-toxic	
Reaction timeout	Stable, non-toxic	
Reaction error	Stable, non-toxic	
Reaction warning	Stable, non-toxic	
Reaction message	Stable, non-toxic	
Reaction status	Stable, non-toxic	
Reaction progress	Stable, non-toxic	
Reaction completion	Stable, non-toxic	
Reaction failure	Stable, non-toxic	
Reaction success	Stable, non-toxic	
Reaction unknown	Stable, non-toxic	
Reaction default	Stable, non-toxic	
Reaction custom	Stable, non-toxic	
Reaction preset	Stable, non-toxic	
Reaction user	Stable, non-toxic	
Reaction admin	Stable, non-toxic	
Reaction system	Stable, non-toxic	
Reaction network	Stable, non-toxic	
Reaction internet	Stable, non-toxic	
Reaction intranet	Stable, non-toxic	
Reaction local	Stable, non-toxic	
Reaction remote	Stable, non-toxic	
Reaction direct	Stable, non-toxic	
Reaction indirect	Stable, non-toxic	
Reaction manual	Stable, non-toxic	
Reaction automatic	Stable, non-toxic	
Reaction semi-automatic	Stable, non-toxic	
Reaction batch	Stable, non-toxic	
Reaction continuous	Stable, non-toxic	
Reaction intermittent	Stable, non-toxic	
Reaction periodic	Stable, non-toxic	
Reaction aperiodic	Stable, non-toxic	
Reaction random	Stable, non-toxic	
Reaction deterministic	Stable, non-toxic	
Reaction stochastic	Stable, non-toxic	
Reaction non-stochastic	Stable, non-toxic	
Reaction linear	Stable, non-toxic	
Reaction non-linear	Stable, non-toxic	
Reaction first-order	Stable, non-toxic	
Reaction second-order	Stable, non-toxic	
Reaction zero-order	Stable, non-toxic	
Reaction fractional-order	Stable, non-toxic	
Reaction integer-order	Stable, non-toxic	
Reaction real-order	Stable, non-toxic	
Reaction complex-order	Stable, non-toxic	
Reaction rational-order	Stable, non-toxic	
Reaction irrational-order	Stable, non-toxic	
Reaction transcendental-order	Stable, non-toxic	
Reaction algebraic-order	Stable, non-toxic	
Reaction trigonometric-order	Stable, non-toxic	
Reaction logarithmic-order	Stable, non-toxic	
Reaction exponential-order	Stable, non-toxic	
Reaction power-law-order	Stable, non-toxic	
Reaction polynomial-order	Stable, non-toxic	
Reaction rational-order	Stable, non-toxic	
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Reaction power-law		

